

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	453	((metal or metallic or noble or conductive or electroductive) adj2 (nano or superfine or hyperfine or fine or micro) adj2 (particle or powder)) with (coat\$3 or protect\$3) with (organic or nitrogen or sulfure or sulfate sulfonic or nitrogous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 15:51
L2	4	((metal or metallic or noble or conductive or electroductive) adj2 (nano or superfine or hyperfine or fine or micro) adj2 (particle or powder)) same (amine or amide or nitrogen) same (sulfure or sulfate sulfonic or nitrogous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 15:52
L3	4	((metal or metallic or noble or conductive or electroductive) adj2 (nano or superfine or hyperfine or fine or micro) adj2 (particle or powder)) same (amine or amide or nitrogen) same (sulfure or sulfate sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 15:52
L4	42	((quaternary near ammonium) with metal with complex) same ((amide or amine) with aliphatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:00
L5	0	((quaternary near ammonium) with metal with complex) same heat same ((amide or amine) with aliphatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:00
L6	7	((quaternary near ammonium) with metal with (complex or salt)) same heat same ((amide or amine) with aliphatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:01
L7	0	(core near3 metal) with (surface near (treat\$4 or modif\$3)) same (amide or amine) same (sulfur or sulfate or sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:03
L8	9	(core near3 metal) with (surface near (treat\$4 or modif\$3)) same ((amide or amine) or (sulfur or sulfate or sulfonic) or (organic near3 material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:03
L9	4	(core near3 metal) with (surface near (treat\$4 or modif\$3)) with ((amide or amine) or (sulfur or sulfate or sulfonic) or (organic near3 material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:45

## EAST Search History

L10	5	8 not 9	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:04
L11	137	((core or powder or particle) near3 metal) with (surface near (treat\$4 or modif\$3)) with ((aliphatic near (amide or amine)) or (sulfur or sulfate or sulfonic) or (organic near3 material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:09
L12	0	((core or powder or particle) near3 metal) with (surface near (treat\$4 or modif\$3)) with ((aliphatic near (amide or amine))) with ((sulfur or sulfate or sulfonic) or (organic near3 material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:09
L13	0	((core or powder or particle) near3 metal) with (surface near (treat\$4 or modif\$3)) same ((aliphatic near (amide or amine))) same ((sulfur or sulfate or sulfonic) or (organic near3 material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:10
L14	6	((core or powder or particle) near3 metal) with (surface near (treat\$4 or modif\$3)) same ((aliphatic near (amide or amine)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:16
L15	72	(COMPOSITE near3 (METAL or metallic or noble or conductive or electroconductive) near3 (POWDER or particle) near3 COMPOSITION).ti. or (COMPOSITE near3 (METAL or metallic or noble or conductive or electroconductive) near3 (POWDER or particle) near3 COMPOSITION).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:18
L16	7	15 and (compound same (amine or amide or amino or nitrogen))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:19
L17	3	15 and (compound same (sulfur or sulfate or sulfonic))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:19
L18	2	16 and 17	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:20

## EAST Search History

L19	53	15 @ad <= "20040309"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:47
L20	254	((powder or particle or core) with (metal or metallic)) with (surface near (treat\$4 or modif\$3)) with ((amide or amine or amino or isocyanate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:47
L21	26	20 and (aliphatic near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:47
L22	17	21 @ad <= "20040309"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/01/01 16:47
S1	1	"09/331,343"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/12/31 17:14